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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Kanji TAKADA : Group Art Unit.: 1616  
Serial No.: 09/787,612 : Examiner: Sharmila S. Gollamudi  
Filed: March 20, 2001 :  
Title: ORAL DRUG DELIVERY SYSTEM FOR ENHANCING THE  
BIOAVAILABILITY OF ACTIVE FORM OF GLYCYRRHIZIN

REPLY

Commissioner for Patents  
Washington, D.C. 20231

I hereby certify that this correspondence is being deposited  
with the U.S. Postal Services as First Class Mail in an envelope  
addressed To: Commissioner of Patents and Trademarks,  
Washington, D.C. 20231 On: July 12, 2002  
Name: CSABA HENTER  
Signature: [Signature]  
Date: July 12, 2002

SIR:

In response to the Office Action dated March 12, 2002, please amend the application  
as follows and consider the remarks.

In the Claims:

Please amend claims 10-14 as follows:

10. (Amended) A device for colon-targeted oral delivery of glycyrrhizin  
comprising a shaped core containing an amount of glycyrrhizin, said shaped core being made  
of a suppository base comprising glyceride that melts or liquefies at the body temperature,  
and a coating film of ethylcellulose enclosing said shaped core and having a film thickness  
whereby when the device is transported through the digestive tract to the colon, the film  
enclosing the liquefied core ruptures selectively in the colon by the internal pressure  
generated by the peristalsis of the intestine.

11. (Amended) The device according to claim 10 wherein said amount of  
glycyrrhizin is in excess of the amount needed for compensating for the hydrolysis thereof by  
the intestinal flora.